In the claims:

Please amend the claims as follows:

1-20 (cancelled)

21. (currently amended) A method of determining a parameter of interest of an earth formation having a plurality of layers, the method comprising:

conveying a multi-component resistivity logging tool into a borehole in a selected layer in said formation; and

using at least one transmitter receiver combinations ~~to provide~~ and providing a measurement having selective sensitivity to the ~~desired reservoir formation properties~~ parameter of interest.

22. (currently amended) The method of claim 21, ~~further comprising~~wherein the measurement is used for at least one of: ~~making multi component measurements for at least one of~~ (i) geo-steering, and (ii) drilling assistance and well placement decisions.

23. (original) The method of claim 21, further comprising:

measurement of a multi-component array combined with measurement of at least one of a gyro, accelerometer, magnetometer and inclinometer.

24. (currently amended) The method of claim 21, further comprising:

performing dual compensated measurement of a multi-component array to improve at ~~lest~~ least one of signal to noise ratio and measurement stability and signal content with reservoir, geological and geophysical information.

25. (currently amended) The method of claim 21, further comprising providing a measurement at a plurality of ~~measuring multiple frequency~~ frequencies, and using the measurement at the plurality of frequencies for determining the parameter of interest. ~~in at least one of sequentially and simultaneously; and analyzing multiple frequency survey data for focusing interpretative data in target formation parameters.~~

26. (original) The method of claim 21 further comprising:
performing multi-component transmitter receiver array measurements at different orthogonal and non-orthogonal orientations comprising at least one of xy, xz, yz, 20°-40°, and 40°-90°.

27. (original) The method of claim 21 further comprising:
performing multi-component measurements combining measurement comprising at least one of symmetric/symmetric, asymmetric/symmetric, and asymmetric/asymmetric.

28. (original) The method of claim 21, further comprising:
using measurements for geosteering.

29. (currently amended) The method of claim 21, wherein providing the measurement further comprises:~~further comprising~~:
measuring a time domain response; and
converting the time domain response into a frequency domain response. and
~~selecting a frequency spectrum of interest for analysis~~.

30. (cancelled)

31. (cancelled)

32. (cancelled)

33. (canceled)

34. (canceled)

35. (canceled)

36. (original) The method of claim 21 or 23, further comprising:
binning measurement data.

37. (original) The method of claim 36 further comprising:
averaging depth intervals and azimuthal sectors for the binned measurement data.

38. (original) The method of claim 36 or 37 further comprising:
processing the binned measurement data; and
estimating or inverting formation drilling target parameters from the processed binned measurement data from a given transmitter receiver array.

39. (original) The method of claim 38, further comprising:
making a well placement plan along with a known reservoir drilling target model;
defining expect measurement response for a transmitter receiver array.

40. (original) The method of claim 39, further comprising:
making a drilling decision to continue or modify drilling plans based on differences between inverted formation drilling target parameters obtained from processed measured binned data and the expected measurements response based on an initial drilling plan and reservoir parameter model.

41. (original) The method of claim 21, wherein
a transmitter source is periodic with respect to both time domain and frequency domain.

42. (currently amended) The method of ~~claim 21~~ claim 37, wherein
~~the~~ raw data assigned to a depth interval and azimuth sector ~~falls~~ fall in different points of ~~the~~ a repeat cycle ~~thus~~ bin, the method further comprising,

averaging a time series having unequal time intervals between sampled points.

43. (original) The method of claim 21, where the tool rotation is not synchronized with a transmitter repeat cycle.

44. (currently amended) The method of claim 21, wherein ~~the tool~~ rotation of the logging tool is synchronized with ~~the~~ a transmitter repeat cycle.

45. (currently amended) The method of claim 21, further comprising:

holding the tool stationary while ~~the~~ raw data times are collected.